

**Exhibit 1**  
International Cosmetic Ingredient Dictionary and Handbook  
("CTFA") pages 657-58

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# **International Cosmetic Ingredient Dictionary and Handbook**

**Tenth Edition  
2004**

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**Volume 1**

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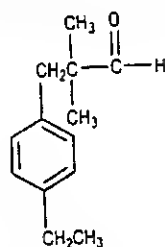
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nition: Ethyl 2,2-Dimethylhydrocinnamal  
e aromatic aldehyde that conforms  
ally to the formula:



ormation Source: RIFM

emical Class: Aldehydes

nction: Fragrance Ingredient

chnical/Other Names:

lpha, alpha-Dimethyl-p-

ethylphenylpropanal (RIFM)  
alpha, alpha-Dimethyl-p-ethylphenylpropanal  
3-(p-Ethylphenyl)-2,2-Dimethylpropion-

aldehyde

ade Name:  
loralozone (International Flavors & Fra-

grances)

## ETHYLENE/ACRYLIC ACID COPOLYMER

AS No.: 9010-77-9

efinition: Ethylene/Acrylic Acid Copolymer  
a copolymer of ethylene and acrylic acid  
monomers.

Information Sources: 21CFR177.1310,  
1CFR178.1005, CIR: [SQ] IJT 21(SUPPL.  
) 2002

Chemical Class: Synthetic Polymers

Functions: Binder; Film Former; Viscosity  
Increasing Agent - Nonaqueous

Technical/Other Name:

2-Propenoic Acid with Ethene

Trade Names:

A-C Copolymer 540 (Honeywell)

A-C Copolymer 580 (Honeywell)

A-C Copolymer 540A (Honeywell)

AEC Ethylene/Acrylic Acid Copolymer (A &  
E Connock)

EA-209 (Kobo)

## ETHYLENE/ACRYLIC ACID/VA COPOLYMER

CAS No.: 26713-18-8

Definition: Ethylene/Acrylic Acid/VA  
Copolymer is a copolymer of ethylene, acrylic  
acid and vinyl acetate monomers.

Information Source: CIR: [SQ] IJT 21  
(SUPPL. 3) 2002

Chemical Class: Synthetic Polymers

Functions: Binder; Film Former; Viscosity  
Increasing Agent - Nonaqueous

Technical/Other Name:

2-Propenoic Acid, Polymer with Ethene and  
Ethenyl Acetate

## ETHYLENE BRASSYLATE

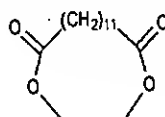
CAS No.  
105-95-3

EINECS No.  
203-347-8

Empirical Formula:

C<sub>15</sub>H<sub>26</sub>O<sub>4</sub>

Definition: Ethylene Brassylate is the cyclic  
ester that conforms to the formula:



Information Sources: 21CFR172.515,  
RIFM, TSCA

Chemical Class: Esters

Function: Fragrance Ingredient

Reported Product Categories: Founda-  
tions; Moisturizing Preparations; Cleansing  
Products (Cold Creams, Cleansing Lotions,  
Liquids and Pads); Personal Cleanliness  
Products, Misc.

Technical/Other Names:

1,4-Dioxacycloheptadecane-5,17-dione

Ethylene brassylate (RIFM)

Ethylene Undecane Dicarboxylate

Trade Name:

AEC Ethylene Bressylate (A & E Connock)

## ETHYLENE/CALCIUM ACRYLATE COPOLYMER

CAS No.: 26445-96-5

Empirical Formula:

(C<sub>3</sub>H<sub>4</sub>O<sub>2</sub> • C<sub>2</sub>H<sub>4</sub>)<sub>x</sub> • xCa

Definition: Ethylene/Calcium Acrylate  
Copolymer is a copolymer of ethylene and  
calcium acrylate monomers.

Information Sources: 21CFR175.105,  
CIR: [SQ] IJT 21(SUPPL. 3) 2002

Chemical Class: Synthetic Polymers

Functions: Binder; Film Former

Technical/Other Name:

2-Propenoic Acid, Polymer with Ethene,  
Calcium Salt

## ETHYLENE CARBONATE

CAS No.  
96-49-1

EINECS No.  
202-510-0

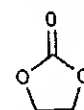
JPN Translation:

炭酸エチレン

Empirical Formula:

C<sub>3</sub>H<sub>4</sub>O<sub>3</sub>

Definition: Ethylene Carbonate is the  
organic compound that conforms to the  
formula:



Information Sources: JCIC, JCLS

Chemical Class: Esters

Function: Solvent.

Technical/Other Name:

1,3-Dioxolan-2-one

## ETHYLENEDIAMINE/DIMER TALLATE COPOLYMER BIS-HYDROGENATED TALLOW AMIDE

Definition: Ethylenediamine/Oimer Tallate  
Copolymer Bis-Hydrogenated Tallow Amide  
is a copolymer of ethylenediamine and tall oil  
dimer acid monomers, end-blocked with  
Hydrogenated Tallowamine (q.v.).

Chemical Class: Synthetic Polymers

Functions: Oral Care Agent; Skin-Cond-  
itioning Agent - Miscellaneous; Viscosity  
Increasing Agent - Nonaqueous

Technical/Other Name:

Sylvaclear A200

## ETHYLENEDIAMINE/STEARYL OIMER DILINOLEATE COPOLYMER

Definition: Ethylenediamine/Stearyl Oimer  
Dilinoate Copolymer is a copolymer of  
ethylenediamine and Dilinoateic Acid (q.v.)  
monomers, end-blocked with stearyl alcohol.

Chemical Class: Synthetic Polymers

Functions: Oral Care Agent; Skin-Cond-  
itioning Agent - Miscellaneous; Viscosity  
Increasing Agent - Nonaqueous

Trade Name:

UNICLEAR (Arizona)

## ETHYLENEDIAMINE/STEARYL DIMER TALLATE COPOLYMER

Definition: Ethylenediamine/Stearyl Oimer  
Tallate Copolymer is a copolymer of ethyl-

The inclusion of any compound in the Dictionary and Handbook does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

## Ethylenediamine/Stearyl Dimer Tallate Copolymer (Cont.)

enediamine and tall oil dimer acid monomers, end-blocked with stearyl alcohol.

**Chemical Class:** Synthetic Polymers

**Functions:** Oral Care Agent; Skin-Conditioning Agent - Miscellaneous; Viscosity Increasing Agent - Nonaqueous

**Trade Name:**  
UNICLEAR (Arizona)

**Information Sources:** JCIC, JCLS

**Chemical Class:** Amides

**Function:** Skin-Conditioning Agent - Miscellaneous

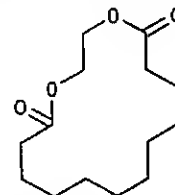
**Technical/Other Name:**  
Condensate of Dilinoleic Acid and Ethylenediamine

## ETHYLENE DODECANEDIOATE

**CAS No.** 54982-83-1 **EINECS No.** 259-423-6

**Empirical Formula:**  
 $C_{14}H_{24}O_4$

**Definition:** Ethylene Dodecanedioate is the organic compound that conforms to the formula:



**Information Source:** RIFM

**Chemical Classes:** Esters; Heterocyclic Compounds

**Function:** Fragrance Ingredient

**Technical/Other Names:**  
Cyclic Ethylene Dodecanedioate  
1,4-Dioxacyclohexadecane-5,16-Dione  
Ethylene dodecanedioate (RIFM)  
Musk C-14

**Trade Name:**  
Zendide (International Flavors)

## ETHYLENE DICHLORIDE

**CAS Nos.** 107-06-2 **EINECS Nos.** 203-458-1  
1300-21-6 215-077-8

**Empirical Formula:**  
 $C_2H_4Cl_2$

**Definition:** Ethylene Dichloride is the halogenated aliphatic hydrocarbon that conforms to the formula:



**Information Sources:** 21CFR165.110, 21CFR172.560, 21CFR172.710, 21CFR172.884, 21CFR173.165, 21CFR173.230, 21CFR173.315, 21CFR175.105, 21CFR573.440, EEC(II-125), FCC, MI-13(3831), TSCA

**Chemical Class:** Halogen Compounds

**Function:** Not Reported

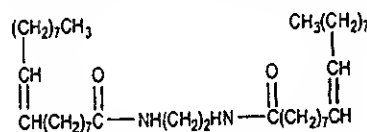
**Technical/Other Names:**  
Dichloroethane  
Ethane, 1,2-Dichloro-

## ETHYLENE DIOLEAMIDE

**CAS No.** 110-31-6 **EINECS No.** 203-756-1

**Empirical Formula:**  
 $C_{38}H_{72}N_2O_2$

**Definition:** Ethylene Dioleamide is the diamide that conforms generally to the formula:



**Information Sources:** 21CFR175.300, TSCA

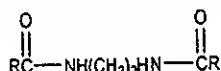
**Chemical Class:** Amides

**Function:** Viscosity Increasing Agent - Nonaqueous

**Technical/Other Names:**  
N,N'-1,2-Ethanedylbis-9-Octadecenamide  
9-Octadecenamide, N,N'-1,2-Ethanedylbis-

## ETHYLENE DIHYDROGENATED TALLOW-AMIDE

**Definition:** Ethylene Dihydrogenated Tallowamide is the diamide that conforms generally to the formula:



where RCO- represents the fatty acids derived from hydrogenated tallow.

**Chemical Class:** Amides

**Function:** Viscosity Increasing Agent - Nonaqueous

**Technical/Other Names:**  
N,N'-1,2-Ethanedylbis(Hydrogenated Tallowamide)  
(Hydrogenated Tallowamide), N,N'-1,2-Ethanedylbis-

## ETHYLENE DILINOLEAMIDE

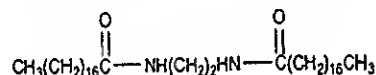
**Definition:** Ethylene Dilinoleamide is the condensation product of ethylenediamine with Dilinoleic Acid (q.v.).

## ETHYLENE DISTEARAMIDE

**CAS No.** 110-30-5 **EINECS No.** 203-755-6

**Empirical Formula:**  
 $C_{38}H_{76}N_2O_2$

**Definition:** Ethylene Distearamide is the diamide that conforms to the formula:



**Information Source:** TSCA

**Chemical Class:** Amides

**Function:** Viscosity Increasing Agent - Nonaqueous

**Technical/Other Names:**  
N,N'-1,2-Ethanedylbisoctadecanamide  
N,N'-Ethylene Bisstearamide  
Octadecanamide, N,N'-1,2-Ethanedylbis-

**Trade Name:**  
Lipowax C (Lipo)

## ETHYLENE/MA COPOLYMER

**CAS No.:** 9006-26-2

**JPN Translation:**  
(エチレン/マレイン酸) コポリマー

**Definition:** Ethylene/MA Copolymer is a polymer of ethylene and maleic anhydride monomers.

**Information Sources:** 21CFR175.105, 21CFR177.1210, 21CFR177.1520, JCIC, JCLS, TSCA

**Chemical Class:** Synthetic Polymers

**Functions:** Binder; Film Former; Suspending Agent - Nonsurfactant

**Technical/Other Names:**  
Ethylene/Maleic Anhydride Copolymer  
2,5-Furandione, Polymer with Ethene

## ETHYLENE/MAGNESIUM ACRYLATE COPOLYMER

**CAS No.:** 27515-37-3

**Empirical Formula:**  
 $(C_3H_4O_2 \cdot C_2H_4)_x \cdot xMg$

**Definition:** Ethylene/Magnesium Acrylate Copolymer is a copolymer of ethylene and magnesium acrylate monomers.

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